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- Morgan, T. H., professor of experimental zoology, Columbia University.
- Morley, Edward W., emeritus professor of chemistry, Western Reserve University.
- Morse, Edward S., director, Peabody Academy of Science.
- Moulton, Forest R., professor of astronomy, University of Chicago.
- Neal, Herbert V., professor of biology, Tufts College.
- Nichols, Edward L., professor of physics, Cornell University.
- Noyes, Arthur A., director of the research laboratory of physical chemistry, Massachusetts Institute of Technology.
- Noyes, W. A., professor of chemistry, University of Illinois.
- Osborn, Henry F., president of the American Museum of Natural History, research professor of zoology, Columbia University.
- Pearce, R. M., professor of research medicine, University of Pennsylvania.
- Putnam, E. W., professor emeritus of anthropology, Harvard University.
- Remsen, Ira, professor of chemistry, Johns Hopkins University.
- Richards, Theodore W., professor of chemistry, Harvard University.
- Rosa, Edward B., chief physicist, Bureau of Standards.
- Schlesinger, Frank, director of the Allegheny Observatory.
- Sedgwick, William T., professor of biology, Massachusetts Institute of Technology.
- Smith, E. F., provost of the University of Pennsylvania.
- Smith, G. Otis, director of the U. S. Geological Survey.
- Smith, Hugh M., U. S. commissioner of fisheries.
- Smith, Theobald, professor of comparative pathology, Harvard University.
- Stieglitz, Julius, professor of analytical chemistry, University of Chicago.
- Stiles, Ch. Wardell, zoologist, U. S. Public Health Service.
- Stratton, Samuel W., director of the Bureau of Standards.
- Thomson, Elihu, Thomson-Houston and General Electric Companies.
- Titchener, Edward B., professor of psychology, Cornell University.
- Tittmann, Otto H., chief of the U. S. Coast and Geodetic Survey.
- Van Hise, Charles R., president of the University of Wisconsin.
- Walcott, Charles D., secretary of the Smithsonian Institution.
- Ward, Henry B., professor of zoology, University of Illinois.
- Watson, Thomas L., professor of economic geology, University of Virginia, and director of the Virginia Geological Survey.
- Webster, Arthur G., professor of physics, Clark University.
- Welch, William H., professor of pathology, Johns Hopkins University, president of the National Academy of Sciences.
- Wheeler, William M., professor of economic entomology, Harvard University.
- Whitney, Willis R., director of the research laboratory, General Electric Company.
- Wilson, Edmund B., professor of zoology, Columbia University.
- Woodward, Robert S., president of the Carnegie Institution of Washington.
- Cattell, J. McKeen, professor of psychology, Columbia University, *Secretary*.

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#### SCIENTIFIC NOTES AND NEWS

DR. WOLDEMAR VOIGT, professor of theoretical physics at Göttingen, will next year be the visiting professor from Germany to Harvard University.

ON the recommendation of the council and of the special committee on the Hayden Award the Academy of Natural Sciences of Philadelphia has this year conferred the memorial gold medal on Henry Fairfield Osborn in recognition of his distinguished work in vertebrate paleontology.

DR. SIMON FLEXNER, director of the laboratories of the Rockefeller Institute for Medical Research, has received notice through the French ambassador in Washington that the cross of chevalier of the legion of honor has been conferred upon him by the president of the French Republic. This honor has been bestowed in recognition of the services which Dr. Flexner has rendered to medical science through his own discoveries and through his administration of the Rockefeller Institute. Special mention is made in the award of the assistance given to France at the time of the epidemic of cerebro-spinal meningitis, which prevailed in 1909, by sending to the Pasteur

Institute in Paris a supply of anti-meningitis serum which was successfully used in combating that epidemic.

SURGEON-GENERAL WILLIAM C. GORGAS, U. S. Army, has been awarded the Dr. Louis Livingston Seaman medal by the American Museum of Safety as a recognition of his work in making the Panama Canal Zone habitable and sanitary.

DR. JOSIAH ROYCE, since 1885 professor of the history of philosophy at Harvard University, has been transferred to the Alford professorship of natural religion, moral philosophy and civil polity, vacant by the retirement of Professor Palmer.

DR. JULIUS VON HANN, professor of cosmical physics at Vienna, has celebrated his seventy-fifth birthday.

PROFESSOR C. S. SHERRINGTON, Waynflete professor of physiology in the University of Oxford, has been elected a member of the Royal Danish Academy of Sciences.

ZÜRICH UNIVERSITY has conferred the honorary degree of doctor of natural sciences upon Professor Alfred Werner, of Zürich, winner of the last Nobel Prize for chemistry.

DR. LAWRENCE MARTIN, associate professor of physiography and geography at the University of Wisconsin, has been elected a corresponding member of the Kaiserlich-königliche Geographische Gesellschaft in Vienna.

SECRETARY LANE, of the Department of the Interior, has appointed Professor R. H. Fernald, of the University of Pennsylvania, as consulting engineer to the Bureau of Mines. He will be sent to England, France, Belgium, Germany and Austria to investigate improvements with gas producers in the development of metallurgical and power operations.

DR. HANS MURSCHHAUSER, of the Akademische Kinder-Klinik in Düsseldorf, has been appointed research associate of the Carnegie Institution of Washington, attached to the nutrition laboratory at Boston.

DR. FREDERICK M. MEADER has resigned as city bacteriologist of Syracuse, and has been succeeded by Dr. Oliver W. H. Mitchell, assist-

ant professor of bacteriology and preventive medicine in the University of Missouri. Dr. Mitchell also succeeds Dr. Leverett D. Bristol as assistant professor of bacteriology in Syracuse University.

MR. ALFRED E. CAMERON, board of agriculture scholar in entomology, Manchester, England, is spending the summer at the entomological department of the Agricultural Experiment Station, New Brunswick, N. J. He has recently arrived from England.

PROFESSOR FRANCIS E. LLOYD, of McGill University, will spend the period from May 1 to September 15, at the coastal laboratory of the Carnegie Institution of Washington, Carmel-by-the-Sea, Calif.

MR. STEWART CULIN, curator of the department of ethnology of the Brooklyn Museum, is at present in the far east in order to collect ethnological material. His itinerary has taken him to Japan, China, Korea, India and Ceylon.

THE Congo expedition of the American Museum of Natural History under Messrs. Herbert Lang and James Chapin, which in cooperation with the Belgian government has been carrying on active field work in central Africa for the past four years, will return to New York early in the summer.

DR. HERMANN VON SCHRENK, pathologist to the Missouri Botanical Garden, delivered a series of five lectures before the members of the department of forestry of the University of Toronto, in March, on "Diseases of Trees and Structural Timbers."

MRS. CHRISTINE LADD-FRANKLIN gave, on April 20, 21 and 22, three lectures at the University of Chicago as follows: "The Bridge between the New Logic and the Old," "The Indispensable Requirements of a Color Hypothesis," "Graphic Representation of Color Relations and Recent Views on Color."

THE second open meeting of the Society for Biological Research of the University of Pittsburgh for the year 1913-14 was held on April 16, at which time Dr. John F. Anderson, director of the hygienic laboratory of the U. S. Marine Hospital and Public Health Service, gave an

address on the "Etiology and Distribution of Typhus Fever."

DR. BARTON WARREN EVERMANN, director of the Museum of the California Academy of Sciences, delivered the address at the annual meeting of the Beta Kappa Alpha Society of the University of California, at Berkeley, on the evening of April 16. His subject was "The Alaska Fur-seal Herd and its Proper Management."

THE building of the College of the City of New York, hitherto known as the Mechanic Arts Building, will, by vote of the trustees, hereafter be called "Compton Hall," after Professor Alfred G. Compton, late head of the department, who died in the autumn of 1913.

THE municipality of Saint-Georges-sur-Cher has decided to erect a monument to Bretonneau, of Tours, one of the distinguished names in the history of French medicine, who was born there in 1774.

PHILIPPE EDOUARD LEON VAN TIEGHEM, eminent French botanist, died in Paris on April 28 at the age of seventy-five years.

DR. KARL CHUN, professor of zoology at Leipzig, distinguished for his oceanographic studies, has died at the age of sixty-two years.

DR. PAUL EHRENREICH, the distinguished ethnologist, docent in the University of Berlin, has died at the age of fifty-eight years.

PROFESSOR ADOLF FISCHER, director of the Museum for Asiatic art, founded last October at Cologne, has died at the age of fifty-eight years.

THE medical college of Cornell University and the General Memorial Hospital will establish a cancer hospital, towards which it is said \$1,000,000 have been subscribed, including \$500,000 from Dr. James Douglas.

THE cornerstone has been laid for a building for a Servian Academy of Science in Belgrade, the cost of which is to be about a million dollars.

THE Memorial Institute for Infectious Diseases, of Chicago, has moved into its new building at 629 South Wood St., to which address all communications should be sent. This is

also the new address of *The Journal of Infectious Diseases*.

THE late Mr. Henry Bloom Noble, of Douglas, Isle of Man, left practically all his estate for educational and charitable purposes in the island. The trustees of his will have decided to devote £20,000 for the fostering of agriculture.

THROUGH the generosity of Mr. George Manierre, of Chicago, the mounted skeleton of the American mammoth which has for many years been exhibited in the museum of the Chicago Academy of Sciences, has been transferred to the Field Museum of Natural History. This skeleton long remained the only mounted skeleton of the mammoth in America and it still forms one of the best representatives of this animal known.

THE American Museum of Natural History has acquired from the estate of the late Edwin E. Howell, of Washington, a well-known collector and dealer, the entire collection of meteorites which belonged to his establishment at the time of his death. The collection consists of representatives of fifty-four falls and finds, aggregating about one hundred kilometers in weight. It includes two which have not been heretofore represented in the museum, namely, the Ainsworth and Williamstown irons. This acquisition was made possible through the generosity of Mr. J. P. Morgan.

AFTER a conference with the trustees of the University of Pennsylvania following the close of the trial of Professor J. E. Sweet for cruelty to animals and the disagreement of the jury, Dean William Pepper, of the department of medicine, announced that the continuation of the experimental work in the medical school was authorized. It was agreed by all that the university owes it to humanity to continue the work without interruption.

LAST spring the attention of the Maine Agricultural Experiment Station was called to maggots infesting blueberries towards the end of the season. Accordingly larvæ were reared and the insect ascertained to be the same species which infests the apple, *Rhagoletis pomonella*.

APART from the governments and government departments which will be represented at the International Congress of Tropical Agriculture to be held at the Imperial Institute, London, from June 23 to 30, a number of societies, chambers of commerce and associations, foreign as well as British, have indicated their intention to support the congress, and most will send delegates. It is already known that the congress will be attended by members from the following countries: Austria, Egypt, France, Germany, Holland, Italy, Japan, Portugal, Russia, the United Kingdom, the United States, Ceylon, East Africa, Gold Coast, Honolulu, India, Jamaica, Java, Leeward Islands, Nigeria, Sierra Leone, Straits Settlements and Federated Malay States, Trinidad and Uganda.

It is announced that arrangements are being made for the holding in Edinburgh, in September next, of a conference on the various aspects of the physical sciences in their application to the study of the phenomena of weather. Sir John Murray had consented to act as president, but now new arrangements must be made. It is planned to open the conference on September 8, and to continue its work during the four following days. Those interested should send their names to the secretary of the organizing committee at the Meteorological Office, South Kensington, London, S. W.

THE thirteenth general meeting of the Association of Economic Biologists was held at the Imperial College of Science and Technology, London, on April 10 and 11. Professor Robert Newstead presided. According to the report of the London *Times* Mr. A. G. L. Rogers, of the Board of Agriculture, communicated the results of the International Phytopathological Conference lately held in Rome with the object of considering how united action may be taken for checking the importation of plant diseases. There are two ways of dealing with a center of plant infection. The first is to forbid the entry of plants from the infected district or country. The alternative is for the adminis-

trative authorities in the infested country to take the necessary steps for extirpating the pest within their borders; and to issue a guarantee of freedom from infection with all lots of the suspected produce. This procedure is an impossibility in the case of the bulky crops of what in France is called "La Grande Culture," as no staff of specialists could deal with the amounts grown. The international delegates therefore unanimously agreed to exclude these (including all grains) and the grape vine from their provisions, the various nations being left to protect themselves from diseases of staple crops by individual action as at present. The recommendations, however, provide for including such produce as fruit, flowers and bulbs in the proposed convention, which at present awaits ratification, all the powers except the United States having provisionally agreed to the principle of united action. Certain powers, while not prepared to relinquish the right of inspecting imported produce included in the provisions of the convention, intimated their willingness to let these rights be in abeyance so long as exporting countries fulfilled their obligations.

It is planned to take the biological work of the University of Utah Summer School to a mountain laboratory during the last three weeks of the course. Animal ecology and some systematic study of flowering plants will be the parts of the work best adapted to this plan. The regular session will begin on June 8 and close on July 17, the change of base for biology to be made on June 26. Silver Lake, at the head of Big Cottonwood Canyon, thirty miles from Salt Lake City, altitude 8,728 feet, has been chosen as the spot for beginning mountain station work in Utah. Here in a setting of rugged peaks lie a half dozen small gems of mountain lakes, one at an altitude of 9,920 feet, and a beautiful little mountain valley in which rise from innumerable sources the headwaters of Big Cottonwood Creek, a typical mountain stream. From the tops of these peaks to the warm and hot springs, the sulphurous and salt waters, the desert and the Great Salt Lake itself in the valley near the university, stretches a wide va-

riety of conditions to receive attention in ecology. Persons desiring further information may communicate with Dr. Charles T. Vorhies, University of Utah, Salt Lake City.

MR. C. V. HODGSON, of the Coast and Geodetic Survey, Department of Commerce, has recently left Washington for the southwestern part of the United States, where he will have charge of a party for the determination of the astronomic latitude of triangulation stations established by the Coast and Geodetic Survey and the United States Geological Survey, between Barstow, Tex., and the Pacific Ocean. Many of these stations are on mountains as much as 10,000 feet in height. The results of this work will be used principally for geodetic purposes, that is, the determination of the figure of the earth and the distribution of material in the earth's crust. The means of transportation for this party will be a  $1\frac{1}{2}$ -ton automobile truck which was used successfully on similar work between Denver, Col., and the Canadian border in the season of 1913. A similar truck had been employed also in 1912 on the 49th parallel boundary survey between the United States and Canada. The cost of the work during the season of 1913 is estimated as only one half what it would have been if horses and wagons had been used for transportation. The saving in the coming season is expected to be even greater, as the country to be traversed is arid or semiarid and the transportation of water and forage for stock would have been a difficult problem. It is expected that the work will continue until late in the autumn.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE new buildings of Zürich University were formally opened on April 19. The buildings, which cost about \$1,700,000, stand on rising ground overlooking both lake and city.

DR. THEODORE C. JANEWAY, Bard professor of the practise of medicine in Columbia University, has accepted the professorship of medicine in Johns Hopkins University under the full time basis made possible by the gift of \$1,500,000 by the General Education Board.

DR. MAZYCK P. RAVENEL, professor of medical bacteriology in the University of Wisconsin, and director of the public health laboratory, has accepted the chair of preventive medicine in the University of Missouri.

THE board of regents of the State University of Washington has appointed a committee of three to consider the selection of a president and has requested the faculty to choose a like committee, which it has done by secret ballot. This joint committee will report to the faculty and to the regents.

DR. E. R. CLARK, associate in anatomy at Johns Hopkins University, has accepted an appointment to the chair of anatomy in the University of Missouri.

DR. LEVERETT D. BRISTOL has left Syracuse University to take charge of the North Dakota state laboratory.

At the College of the City of New York Professor William Fox has been made full professor of physics and head of the department and Professor Laurel has been promoted to be full professor of mathematics.

DR. WILLIAM HALLOCK PARK, professor of bacteriology and hygiene in the New York University and Bellevue Hospital Medical College, has been elected dean of the college by the council of New York University to succeed the late Dr. Egbert le Fevre.

DR. ALBRECHT BETHE, professor of physiology at Kiel, has accepted a call to Frankfort.

PROFESSOR DR. H. MERKEL, professor of pathological anatomy at Erlangen, has been called to Munich.

#### DISCUSSION AND CORRESPONDENCE

##### MULTIPLE FACTORS IN HEREDITY

IN SCIENCE, April 10, 1914, Professor Ramaley refers appreciatingly to the work of Dr. MacDowell on size inheritance in rabbits, which was carried out in my laboratory, and concludes that this work essentially substantiates Davenport's conclusion that the apparent blend of human skin color in mulattos is due to two distinct Mendelizing factors possessed by the negro, but lacking in the white races.